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NOTICE OF ALLOWANCE AND FEE(S) DUE

22150

7590

10/07/2004

F. CHAU & ASSOCIATES, LLC 130 WOODBURY ROAD WOODBURY, NY 11797

EXAMINER PHAN, DAO LINDA ART UNIT PAPER NUMBER

3662

DATE MAILED: 10/07/2004

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. CONFIRMATION | |
|-----------------|-------------|----------------------|----------------------------------|------|
| 10/717,057 | 11/19/2003 | Kil-Hyen Ryu | 8021-181 (SS-19649-US) | 7214 |

TITLE OF INVENTION: COMBINED BEAMFORMING-DIVERSITY WIRELESS FADING CHANNEL DEMODULATOR USING ADAPTIVE SUB-ARRAY GROUP ANTENNAS, SIGNAL RECEIVING SYSTEM AND METHOD FOR MOBILE COMMUNICATIONS

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | NO | \$1370 | \$300 | \$1670 | 01/07/2005 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

| | | | or <u>Fax</u> | (703) 746-4000 | <u></u> | |
|--|--|--|---|--|--|--|
| indicated unless corrected t | below or directed otherwise | smitting the ISSUI Patent, advance ord in Block 1, by (a) | E FEE and PUBLIC lers and notification specifying a new c | ATION FEE (if requ of maintenance fees v orrespondence address | ired). Blocks 1 through 5 s vill be mailed to the current and/or (b) indicating a sepa | hould be completed where correspondence address as arate "FEE ADDRESS" for |
| CURRENT CORRESPONDENCE | E ADDRESS (Note: Use Block 1 for | any change of address) | | N A | mailing and anti-the send of | on domestic mailings of the |
| | | any vininge or account | Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, mus have its own certificate of mailing or transmission. | | | |
| | 90 10/07/2004 | | | | _ | |
| F. CHAU & ASS 130 WOODBURY | | | | Cer I hereby certify that th | rtificate of Mailing or Trans his Fee(s) Transmittal is bein | smission g denosited with the United |
| WOODBURY, NY | | | | States Postal Service vaddressed to the Mai transmitted to the USF | nis Fee(s) Transmittal is bein with sufficient postage for fir I Stop ISSUE FEE address TO (703) 746-4000, on the | st class mail in an envelope above, or being facsimile date indicated below. |
| | | | | | , , | (Depositor's name) |
| | | | | | ·-· | (Signature) |
| | | | | | | (Date) |
| APPLICATION NO. | FILING DATE | F | IRST NAMED INVEN | TOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
| 10/717,057 | 11/19/2003 | | Kil-Hyen Ryu | • | 8021-181 (SS-19649-US) | 7214 |
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| nonprovisional | NO | \$1370 | | \$300 | \$1670 | 01/07/2005 |
| EXAM | INER | ART UNI | T CI | ASS-SUBCLASS | J | |
| PHAN, DA | O LINDA | 3662 | | 342-377000 | | |
| 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. The ending of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. The ending of correspondence address (or Change of Correspondence Address form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents OR, alternatively, (3) the name of a single firm (having as a member a registered patent attorneys or agents OR, alternatively, (4) the name of a single firm (having as a member a registered patent attorneys or agents OR, alternatively, (5) the name of a single firm (having as a member a registered patent attorneys or agents OR, alternatively, (6) the name of up to 3 registered patent attorneys or agents OR, alternatively, (7) the name of up to 3 registered patent attorneys or agents OR, alternatively, (8) the name of up to 3 registered patent attorneys or agents OR, alternatively, (9) the name of up to 3 registered patent attorneys or agents OR, alternatively, (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered patent attorneys or agents OR, alternatively, (2) the name of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of up to 3 registered patent attorneys or agents OR. (3) the name of up to 3 registered patent attorneys or agents OR. (4) the name of up to 3 registered patent attorneys or agents OR. (5) the name of up to 3 registered patent attorneys or agents OR. (6) the name of up to 3 registered patent attorney | | | | | | |
| (A) NAME OF ASSIGNI | EE | (B) | RESIDENCE: (CIT | Y and STATE OR CO | UNTRY) | |
| Please check the appropriate | assignee category or catego | ries (will not be pri | nted on the patent): | ☐ Individual ☐ C | orporation or other private gr | oup entity Government |
| 4a. The following fee(s) are | enclosed: | | Payment of Fee(s): | | | |
| Issue Fee | | | | nount of the fee(s) is en | | |
| | mall entity discount permitte | | | Payment by credit card. Form PTO-2038 is attached. | | |
| Advance Order - # of Copies | | | | | | |
| | (from status indicated above MALL ENTITY status. See 1 | • | h Annlicant is no | longer claiming SMA | LL ENTITY status. See 37 C | FP 1 27(a)(2) |
| | | | | | y paid issue fee to the applications or the application of the applica | |
| Authorized Signature | | | | Date | | |
| Typed or printed name Registration No | | | | | | |
| This collection of information application. Confidentialisubmitting the completed aphis form and/or suggestions Box 1450. Alexandria. Virgi | n is required by 37 CFR 1.3 ty is governed by 35 U.S.C. plication form to the USPT for reducing this burden, sh nia 22313-1450. DO NOT | 11. The information 122 and 37 CFR 1 0. Time will vary of the sent to the SEND FEES OR C | n is required to obtain 14. This collection depending upon the Chief Information C OMPLETED FORM | or retain a benefit by is estimated to take 12 individual case. Any confficer, U.S. Patent and IS TO THIS ADDRES: | the public which is to file (an minutes to complete, includin mments on the amount of the Trademark Office, U.S. Dep S. SEND TO: Commissioner | d by the USPTO to process) ng gathering, preparing, and me you require to complete autment of Commerce, P.O. for Patents, P.O. Box 1450. |

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UNITED STATES PATENT AND TRADEMARK OFFICE

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| F. CHAU & ASSOCIATES, LLC 130 WOODBURY ROAD | | • | | PHAN, DAO LINDA | |
| WOODBURY, | | | | ART UNIT | PAPER NUMBER |
| · | | | | 3662 | |
| | | | | DATE MAILED: 10/07/200 | 4 |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.



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| F. CHAU & ASSOCIATES, LLC 130 WOODBURY ROAD | | | • | PHAN, DAO LINDA | |
| WOODBURY, | | | | ART UNIT | PAPER NUMBER |
| | | | | 3662 | <u>-</u> |
| | | | | DATE MAILED: 10/07/200- | 4 |

Notice of Fee Increase on October 1, 2004

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2004, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" because some fees will increase effective October 1, 2004. See Revision of Patent Fees for Fiscal Year 2005; Final Rule, 69 Fed. Reg. 52604, 52606 (May 10, 2004).

The current fee schedule is accessible from WEB site (http://www.uspto.gov/main/howtofees.htm).

If the fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due" but not the correct amount in view of the fee increase, a "Notice of Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice of Pay Balance of Issue Fee," if the response to the Notice of Allowance is to be filed on or after October 1, 2004 (or mailed with a certificate of mailing on or after October 1, 2004), the issue fee paid should be the fee that is required at the time the fee is paid. See Manual of Patent Examining Procedure (MPEP), Section 1306 (Eighth Edition, Rev. 2, May 2004). If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously-paid issue fee should be paid. See MPEP Section 1308.01.

Effective October 1, 2004, 37 CFR 1.18 is amended by revising paragraphs (a) through (c) to read as set forth below.

Section 1.18 Patent post allowance (including issue) fees.

(a) Issue fee for issuing each original or reissue patent, except a design or plant patent:

| except a design of plant patent. | |
|--|----------|
| By a small entity (Sec. 1.27(a)) | \$685.00 |
| By other than a small entity | |
| (b) Issue fee for issuing a design patent: | |
| By a small entity (Sec. 1.27(a)) | \$245.00 |
| By other than a small entity | \$490.00 |
| (c) Issue fee for issuing a plant patent: | |
| By a small entity (Sec. 1.27(a)) | \$330.00 |
| By other than a small entity | \$660.00 |

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.